

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/037,341A  
Source: 1 Fw0  
Date Processed by STIC: 1/13/05

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 01/13/2005

PATENT APPLICATION: US/10/037,341A

TIME: 17:02:01

Input Set : A:\APBI-P05-035.txt

Output Set: N:\CRF4\01132005\J037341A.raw

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4 <110> APPLICANT: David Baltimore et al.
6 <120> TITLE OF INVENTION: NUCLEAR FACTORS ASSOCIATED WITH TRANSCRIPTIONAL REGULATION
8 <130> FILE REFERENCE: APBI-P05-035
10 <140> CURRENT APPLICATION NUMBER: 10/037341A
11 <141> CURRENT FILING DATE: 2002-01-04
13 <150> PRIOR APPLICATION NUMBER: 08/464364
14 <151> PRIOR FILING DATE: 1995-06-05
16 <160> NUMBER OF SEQ ID NOS: 60
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 12
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
25 <400> SEQUENCE: 1
26 tggggattcc ca 12
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 11
30 <212> TYPE: DNA
31 <213> ORGANISM: Mus musculus
33 <400> SEQUENCE: 2
34 ggggactttc c 11
36 <210> SEQ ID NO: 3
37 <211> LENGTH: 11
38 <212> TYPE: DNA
39 <213> ORGANISM: HIV
41 <400> SEQUENCE: 3
42 agggactttc c 11
44 <210> SEQ ID NO: 4
45 <211> LENGTH: 10
46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
49 <400> SEQUENCE: 4
50 ggggatttcc 10
52 <210> SEQ ID NO: 5
53 <211> LENGTH: 10
54 <212> TYPE: DNA
55 <213> ORGANISM: Homo sapiens
58 <400> SEQUENCE: 5
59 gggaaattcc 10
61 <210> SEQ ID NO: 6
62 <211> LENGTH: 10
63 <212> TYPE: DNA
64 <213> ORGANISM: CMV

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66 <400> SEQUENCE: 6
67 gggactttcc 10
69 <210> SEQ ID NO: 7
70 <211> LENGTH: 10
71 <212> TYPE: DNA
72 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 7
75 gggactttccc 10
77 <210> SEQ ID NO: 8
78 <211> LENGTH: 10
79 <212> TYPE: DNA
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 8
83 gggatttcac 10
85 <210> SEQ ID NO: 9
86 <211> LENGTH: 10
87 <212> TYPE: DNA
88 <213> ORGANISM: Mus musculus
90 <400> SEQUENCE: 9
91 ggggattcct 10
93 <210> SEQ ID NO: 10
94 <211> LENGTH: 10
95 <212> TYPE: DNA
96 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 10
99 gggaatctcc 10
101 <210> SEQ ID NO: 11
102 <211> LENGTH: 10
103 <212> TYPE: DNA
104 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 11
107 gggattcccc 10
109 <210> SEQ ID NO: 12
110 <211> LENGTH: 10
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Consensus sequence
119 <220> FEATURE:
120 <221> NAME/KEY: misc_feature
121 <222> LOCATION: (5)..(5)
122 <223> OTHER INFORMATION: n=a, c or t
124 <220> FEATURE:
125 <221> NAME/KEY: misc_feature
126 <222> LOCATION: (9)..(9)
127 <223> OTHER INFORMATION: n=a, c or t
129 <400> SEQUENCE: 12
W--> 130 gggrrntyync 10
132 <210> SEQ ID NO: 13

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133 <211> LENGTH: 24
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Synthetic binding site
140 <400> SEQUENCE: 13
141 aaatccccta aaacgaggga taaa                24
143 <210> SEQ ID NO: 14
144 <211> LENGTH: 24
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Oligonucleotide for pUCMHCI construction
151 <400> SEQUENCE: 14
152 gatccggctg gggattcccc atct                24
154 <210> SEQ ID NO: 15
155 <211> LENGTH: 24
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Oligonucleotide for pUCMHCI construction
162 <400> SEQUENCE: 15
163 gatccggctg cggattccca atct                24
165 <210> SEQ ID NO: 16
166 <211> LENGTH: 24
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Oligonucleotide for pUCmhcI construction
173 <400> SEQUENCE: 16
174 gccgaccctt aaggggtaga ctag                24
176 <210> SEQ ID NO: 17
177 <211> LENGTH: 24
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Oligonucleotide for pUCmhcI construction
184 <400> SEQUENCE: 17
185 gccgacgcct aaggggtaga ctag                24
187 <210> SEQ ID NO: 18
188 <211> LENGTH: 27
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Oligonucleotide for Plasmid pBS-ATG construction
195 <400> SEQUENCE: 18
196 tgcacaccat ggccatcgat atcgatc            27
198 <210> SEQ ID NO: 19
199 <211> LENGTH: 10

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200 <212> TYPE: DNA  
 201 <213> ORGANISM: Artificial Sequence  
 203 <220> FEATURE:  
 204 <223> OTHER INFORMATION: Mutant showing slight competition for binding of lysogen  
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 206 <400> SEQUENCE: 19  
 207 tcatttccat 10  
 209 <210> SEQ ID NO: 20  
 210 <211> LENGTH: 34  
 211 <212> TYPE: DNA  
 212 <213> ORGANISM: Artificial Sequence  
 214 <220> FEATURE:  
 215 <223> OTHER INFORMATION: Nucleotide sequence of the PRDIIx2  
 217 <400> SEQUENCE: 20  
 218 gatctgtggg aaattccgtg ggaaattccg gatc 34  
 220 <210> SEQ ID NO: 21  
 221 <211> LENGTH: 30  
 222 <212> TYPE: DNA  
 223 <213> ORGANISM: Artificial Sequence  
 227 <220> FEATURE:  
 228 <223> OTHER INFORMATION: KB wild type oligonucleotide  
 230 <400> SEQUENCE: 21  
 231 tcgacagagg ggactttccg agaggctcga 30  
 233 <210> SEQ ID NO: 22  
 234 <211> LENGTH: 30  
 235 <212> TYPE: DNA  
 236 <213> ORGANISM: Artificial Sequence  
 238 <220> FEATURE:  
 239 <223> OTHER INFORMATION: KB mutant oligonucleotide  
 241 <400> SEQUENCE: 22  
 242 tcgacagaat tcactttcca ggaggctcga 30  
 244 <210> SEQ ID NO: 23  
 245 <211> LENGTH: 31  
 246 <212> TYPE: DNA  
 247 <213> ORGANISM: Homo sapiens  
 249 <400> SEQUENCE: 23  
 250 gcttcttaat aatttgcata ccctcactgc a 31  
 252 <210> SEQ ID NO: 24  
 253 <211> LENGTH: 24  
 254 <212> TYPE: DNA  
 255 <213> ORGANISM: Homo sapiens  
 257 <400> SEQUENCE: 24  
 258 tcttaataat ttgcataccc tcac 24  
 260 <210> SEQ ID NO: 25  
 261 <211> LENGTH: 24  
 262 <212> TYPE: DNA  
 263 <213> ORGANISM: Homo sapiens  
 265 <400> SEQUENCE: 25  
 266 cgcacatgat ttgcatactc atga 24  
 268 <210> SEQ ID NO: 26

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269 <211> LENGTH: 24
270 <212> TYPE: DNA
271 <213> ORGANISM: Homo sapiens
273 <400> SEQUENCE: 26
274 cctgggtaat ttgcatttct aaaa                24
276 <210> SEQ ID NO: 27
277 <211> LENGTH: 75
278 <212> TYPE: DNA
279 <213> ORGANISM: Homo sapiens
281 <400> SEQUENCE: 27
282 ctaactgctt cttaataatt tgcataccct cactgcatcg ccttggggac ttctttatat    60
283 aacagtcaaa catat                                     75
285 <210> SEQ ID NO: 28
286 <211> LENGTH: 22
287 <212> TYPE: DNA
288 <213> ORGANISM: Homo sapiens
290 <400> SEQUENCE: 28
291 aattaccag gtggtgtttt gc                22
293 <210> SEQ ID NO: 29
294 <211> LENGTH: 22
295 <212> TYPE: DNA
296 <213> ORGANISM: Homo sapiens
298 <400> SEQUENCE: 29
299 agcagctcat gtggcaaggc ta                22
301 <210> SEQ ID NO: 30
302 <211> LENGTH: 30
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: EBNA-1 Consensus binding site
309 <400> SEQUENCE: 30
310 agattaggat agcatatgct acccagatat        30
312 <210> SEQ ID NO: 31
313 <211> LENGTH: 13
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: DNA probe
320 <400> SEQUENCE: 31
321 tggggattcc cca                            13
323 <210> SEQ ID NO: 32
324 <211> LENGTH: 13
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: DNA probe
331 <400> SEQUENCE: 32
332 tgcggattcc caa                            13
334 <210> SEQ ID NO: 33

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Input Set : A:\APBI-P05-035.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; N Pos. 5, 9/

**VERIFICATION SUMMARY**

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Input Set : A:\APBI-P05-035.txt

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L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:405 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:38,Line#:403  
L:669 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:41,Line#:666  
L:917 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:58,Line#:915